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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR STIMULATING TLR/IRF3 PATHWAYS FOR INDUCING ANTI-MICROBIAL, ANTI-INFLAMMATORY AND ANTICANCER RESPONSES

(57) Abstract: The present invention provides methods for stimulating Toll-like receptors (TLR) to activate IRF (e.g., an IRF3) and signaling pathway, and thereby directing an antimicrobial activity. The present invention also provides methods for identifying agents that bind and/or stimulate TLR and mediate induction of an IRF3 pathway, thereby directing an antimicrobial activity. Additionally, the invention provides methods and agents for suppressing stimulation of TLR, thereby directing an anti-inflammatory response.

WO 2003/090685 A3

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53; A61K 38/00, 39/00
US CL : 435/7.1; 424/85.1, 198.1; 514/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/7.1; 424/85.1, 198.1; 514/2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN, EAST; search terms: TLR, IRF3, microbial

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,158,939 A (TAKAYAMA et al) 27 October 1992 (27.10.1992), column 1, lines 25-43, column 6, lines 28-35.	1-19, 22, 23

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O" document referring to an oral disclosure, use, exhibition or other means		
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